

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query                                 | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 178248 | liu.in.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/13 17:00 |
| L2    | 7864   | guan.in.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/13 17:00 |
| L3    | 204646 | zhang.in.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/13 17:00 |
| L4    | 232109 | li.in.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/13 17:00 |
| L5    | 13198  | hou.in.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/13 17:00 |
| L6    | 129    | (L1 or L2 or L3 or L4 or L5) and benzopyrone | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/13 17:00 |
| S1    | 1      | jp-2897789-\$.did.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/01/04 13:05 |
| S2    | 96128  | liu.in.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/02/21 13:44 |

## EAST Search History (Prior Art)

|     |        |   |                 |   |    |    |                  |
|-----|--------|---|-----------------|---|----|----|------------------|
| S3  | 4149   |   | guan.in.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 13:46 |
| S4  | 101223 |   | zhang.in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 13:46 |
| S5  | 124468 |   | li.in.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 13:46 |
| S6  | 7458   |   | hou.in.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 13:46 |
| S7  | 99     | (S2 or S3 or S4 or S5 or S6) and benzopyrone  |                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 13:48 |
| S8  | 99     | S7 and (preparation or prepare or preparing or manufacture or manufacturing or production or produce or producing or synthesis) |                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 13:50 |
| S9  | 632    |   | benzopyrone     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 15:30 |
| S10 | 93     |   | benzopyrone.ab. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/21 15:30 |

## EAST Search History (Prior Art)

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S11 | 2   | ("4372970").PN.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/21 19:00 |
| S12 | 2   | "20040102516"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/21 19:02 |
| S13 | 2   | ("4723034").PN.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/22 09:34 |
| S14 | 2   | ("5554578").PN.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/22 09:35 |
| S15 | 2   | ("6906007").PN.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/22 09:35 |
| S16 | 600 | (549/283,285).CCL.S.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/22 09:46 |
| S17 | 532 | 514/457                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/22 09:47 |
| S18 | 60  | (S16 or S17) and (benzopyrone or coumarine) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/22 09:47 |

## EAST Search History (Prior Art)

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S19 | 305    | (549/285).CQLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/25 18:56 |
| S20 | 493    | (514/457).CQLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/25 18:56 |
| S21 | 305    | (549/285).CQLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/26 09:05 |
| S22 | 493    | (514/457).CQLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/26 09:05 |
| S23 | 44     | (S21 or S22) and (benzopyrone or coumarine) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/26 09:05 |
| S24 | 143313 | liu.in.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/05 10:09 |
| S25 | 6281   | guan.in.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/05 10:09 |
| S26 | 161359 | zhang.in.                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/05 10:09 |

### EAST Search History (Prior Art)

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S27 | 187447 | li.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/05 10:09 |
| S28 | 10730  | hou.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/05 10:09 |
| S29 | 112    | (S24 or S25 or S26 or S27 or S28) and benzopyrone  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/05 10:09 |
| S30 | 112    | S29 and (preparation or prepare or preparing or manufacture or manufacturing or production or produce or producing or synthesis) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/05 10:09 |

### EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs            | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------------|------------------|---------|------------------|
| L7    | 21   | benzopyrone.ab.   | USPAT;<br>UPAD | OR               | ON      | 2009/08/13 17:01 |
| L8    | 345  | benzopyrone   | USPAT;<br>UPAD | OR               | ON      | 2009/08/13 17:01 |
| L9    | 343  | l8 and (preparation or prepare or preparing or manufacture or manufacturing or production or produce or producing or synthesis) | USPAT;<br>UPAD | OR               | ON      | 2009/08/13 17:01 |
| L10   | 1174 | (benzopyrone or coumarine)  | USPAT;<br>UPAD | OR               | ON      | 2009/08/13 17:02 |
| L11   | 34   | (benzopyrone or coumarine).ab.  | USPAT;<br>UPAD | OR               | ON      | 2009/08/13 17:02 |
| L12   | 343  | l9 and (preparation or prepare or preparing or manufacture or manufacturing or production or produce or producing or synthesis) | USPAT;<br>UPAD | OR               | ON      | 2009/08/13 17:02 |